BCN-B62008-269-B(1406)MEE

QD75M1 QD75M2 QD75M4

Before Using the Product

Please read this document before use. Keep the document in a safe place for future reference.
Make sure that the end users read the document.

■ Related manuals

Before using the product, please read "Safety Guidelines" that is supplied with the base unit.
Read the Servo Amplifier Instruction Manual of servo amplifier that uses it.

Confirm the following descriptions:

- ●**SAFETY PRECAUTIONS**
- ●**CONDITIONS OF USE FOR THE PRODUCT**
- ●**EMC AND LOW VOLTAGE DIRECTIVES**
- ●**WARRANTY**

■ *Manuels associés*

Avant d'utiliser ce produit, prenez la peine de lire les "Consignes de sécurité" fournies avec l'unité de base.
Lire le Manuel d'Instructions du Servo-Amplificateur correspondant au servo-amplificateur utilisé.

Revoir les points suivants :

- ●***PRÉCAUTIONS DE SÉCURITÉ***
- ●***CONDITIONS D'UTILISATION DU PRODUIT***
- ●***DIRECTIVES EMC ET BASSE TENSION***
- ●***GARANTIE***

Details of the product are also described in the manual shown below (sold separately).
Please read the manual and understand the functions and performance of the product to use it correctly.

- Type QD75M Positioning Module User's Manual (Details)
  IB-0300062 (1XB752)

■ Packing list

Check that the following items are included in the package.

Item	Quantity
Module	1
"Before Using the Product" (this document)	1

■ Signal layout of external device connector

◆External device connector (module side)

(Note-1) Axis4 (AX4)	(Note-1) Axis3 (AX3)	(Note-2) Axis2 (AX2)	Axis1 (AX1)
2B20	2A20	1B20	1A20
2B19	2A19	1B19	1A19
2B18	2A18	1B18	1A18
2B17	2A17	1B17	1A17
2B16	2A16	1B16	1A16
2B15	2A15	1B15	1A15
2B14	2A14	1B14	1A14
2B13	2A13	1B13	1A13
2B12	2A12	1B12	1A12
2B11	2A11	1B11	1A11
2B10	2A10	1B10	1A10
2B9	2A9	1B9	1A9
2B8	2A8	1B8	1A8
2B7	2A7	1B7	1A7
2B6	2A6	1B6	1A6
2B5	2A5	1B5	1A5
2B4	2A4	1B4	1A4
2B3	2A3	1B3	1A3
2B2	2A2	1B2	1A2
2B1	2A1	1B1	1A1

Front view of the module

Pin number (Note-3)	Signal name	Pin number (Note-3)	Signal name
1B20	Manual pulse generator B common (PULSER B-)	1A20	Manual pulse generator B phase/SIGN (PULSER B+)
1B19	Manual pulse generator A common (PULSER A-)	1A19	Manual pulse generator A phase/PLS (PULSER A+)
1B18		1A18	
1B17		1A17	
1B16		1A16	
1B15		1A15	
1B14		1A14	
1B13	No connect	1A13	No connect
1B12		1A12	
1B11		1A11	
1B10		1A10	
1B9		1A9	
1B8		1A8	
1B7	Common (COM)	1A7	Common (COM)
1B6		1A6	
1B5	External command signal/ switching signal (CHG)	1A5	External command signal/ switching signal (CHG)
1B4	Stop signal (STOP)	1A4	Stop signal (STOP)
1B3	Near-point dog signal (DOG)	1A3	Near-point dog signal (DOG)
1B2	Lower limit signal (RLS)	1A2	Lower limit signal (RLS)
1B1	Upper limit signal (FLS)	1A1	Upper limit signal (FLS)

(Note-1): These axes are not available for the QD75M1 and QD75M2.
(Note-2): For the QD75M1, 1B1 to 1B18 terminals are "No connect".
(Note-3): 1A(B)20 to 1A(B)1 indicates in the case of axis 1 and axis 2 terminals of the connector.
For the 2A(B)20 to 2A(B)1 terminals of axis 3 and axis 4, refer to 1A(B)20 to 1A(B)1. The 2A(B)20 to 2A(B)8 terminals are "No connect".

The table below shows applicable external device connectors.
When wiring, use applicable wires.

External device connector			Wire			
	Model	Tightening torque	Diameter	Type	Material	Temperature rating
External device connector	A6CON1	0.20 to 0.29N•m	22 AWG	Stranded	Copper	75°C (167°F) or more
	A6CON2		24 AWG	Stranded		
	A6CON3		28 AWG	Stranded		
			30 AWG	Solid		
	A6CON4		22 AWG	Stranded		

■ *Affectation des signaux au connecteur du dispositif externe*

◆*Connecteur du dispositif externe (côté module)*

(Note-1) Axe 4 (AX4)	*(Note-1) Axe3 (AX3)*	*(Note-2) Axe2 (AX2)*	*Axe1 (AX1)*
2B20	2A20	1B20	1A20
2B19	2A19	1B19	1A19
2B18	2A18	1B18	1A18
2B17	2A17	1B17	1A17
2B16	2A16	1B16	1A16
2B15	2A15	1B15	1A15
2B14	2A14	1B14	1A14
2B13	2A13	1B13	1A13
2B12	2A12	1B12	1A12
2B11	2A11	1B11	1A11
2B10	2A10	1B10	1A10
2B9	2A9	1B9	1A9
2B8	2A8	1B8	1A8
2B7	2A7	1B7	1A7
2B6	2A6	1B6	1A6
2B5	2A5	1B5	1A5
2B4	2A4	1B4	1A4
2B3	2A3	1B3	1A3
2B2	2A2	1B2	1A2
2B1	2A1	1B1	1A1

Vue de l'avant du module

Numéro de broche (Note-3)	*Nom du signal*	*Numéro de broche (Note-3)*	*Nom du signal*
1B20	*Générateur d'impulsions manuel B Commun (PULSER B-)*	*1A20*	*Générateur d'impulsions manuel Phase B/SIGN (PULSER B+)*
1B19	*Générateur d'impulsions manuel A Commun (PULSER A-)*	*1A19*	*Générateur d'impulsions manuel Phase A/PLS (PULSER A+)*
1B18		*1A18*	
1B17		*1A17*	
1B16		*1A16*	
1B15		*1A15*	
1B14		*1A14*	
1B13	*Non connecté*	*1A13*	*Non connecté*
1B12		*1A12*	
1B11		*1A11*	
1B10		*1A10*	
1B9		*1A9*	
1B8		*1A8*	
1B7	*Commun (COM)*	*1A7*	*Commun (COM)*
1B6		*1A6*	
1B5	*Signal de commande externe/ signal de commutation (CHG)*	*1A5*	*Signal de commande externe/ signal de commutation (CHG)*
1B4	*Signal d'arrêt (STOP)*	*1A4*	*Signal d'arrêt (STOP)*
1B3	*Signal de surveillance point d'approche (DOG)*	*1A3*	*Signal de surveillance point d'approche (DOG)*
1B2	*Signal de limite inférieure (RLS)*	*1A2*	*Signal de limite inférieure (RLS)*
1B1	*Signal de limite supérieure (FLS)*	*1A1*	*Signal de limite supérieure (FLS)*

(Note-1): Ces axes ne sont pas disponibles sur les QD75M1 et QD75M2.
(Note-2): Sur le QD75M1, 1B1 à 1B18 sont "Non connecté".
(Note-3): 1A(B)20 à 1A(B)1 correspondent aux bornes d'axe 1 et d'axe 2 du connecteur.
Pour les bornes 2A(B)20 à 2A(B)1 des axes 3 et 4, voir 1A(B)20 à 1A(B)1. Les bornes 2A(B)20 à 2A(B)8 sont "Non connecté".

Le tableau ci-dessous indique quels connecteurs on peut utiliser pour le dispositif externe.
Pour le câblage, utiliser les fils prescrits.

Connecteur du dispositif externe			*Fil*			
	Modèle	*Couple de serrage*	*Diamètre*	*Type*	*Matériau*	*Classe de température*
Connecteur du dispositif externe	*A6CON1*	*0,20 à 0,29N•m*	*22 AWG*	*Torsadé*	*Cuivre*	*75°C (167°F) ou plus*
	A6CON2		*24 AWG*	*Torsadé*		
	A6CON3		*28 AWG*	*Torsadé*		
			30 AWG	*Monobrin*		
	A6CON4		*22 AWG*	*Torsadé*		

■ Operating ambient temperature

Use the product within the range from 0°C to 55°C (32°F to 131°F).

■ *Température ambiante de fonctionnement*

Utiliser le produit à une température ambiante entre 0°C et 55°C (32°F et 131°F).